



SIMPOSIUM PENYELIDIKAN UNIMAS 2005

4 - 5 April 2005

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Pusat Pengurusan Penyelidikan dan Inovasi
Universiti Malaysia Sarawak

Pusat Khidmat Maklumat Akademik
UNIVERSITI MALAYSIA SARAWAK

943001

P.KHIDMAT MAKLUMAT AKADEMIK
UNIMAS



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SIMPOSIUM

PENYELIDIKAN UNIMAS 2005

Dr. Chong Pui Pei

Buku Program





SIMPORIUM PENYELIDIKAN UNIMAS
4 - 5 APRIL 2005

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4 April 2005

Majlis Perasmian
Tempat: Dewan Kuliah 7

- | | |
|------------------|---|
| 8.00 - 8.30 am | Pendaftaran |
| 8.30 - 8.40 am | Ucapan Aluan Pengerusi Jawatankuasa Penganjur |
| 8.40 - 9.00 am | Ucapan Oleh YBhg Prof Khairuddin Ab Hamid
Pemangku Timbalan Naib Canselor (Penyelidikan Dan
Inovasi) Unimas ✓ |
| 9.00 - 9.30 am | Ucapan Perasmian Oleh YBhg Dato' Suriah Abd Rahman
Ketua Setiausaha MOSTI |
| 9.30 - 10.00 am | Pelancaran Laman Web <i>Unimas Research Gateway</i>

Sesi Dialog Bersama YBhg Dato' Suriah Abd Rahman
Ketua Setiausaha MOSTI |
| 10.00 - 10.30 am | Minum Pagi (Dewan Santapan) |



Pembentangan Kertas Kerja Geran IRPA Kategori EAR 2002-2003

Tempat: Teater Multimedia CALM/BS 22

1. Kesihatan, Agro Industri Dan Sains Kesihatan [Genetik]

Tempat: Teater Multimedia CALM

Pengerusi : Prof Mohd Azib Salleh

Ahli : Dr Chong Pei Pei

: Prof Balbir Singh

10.30 - 11.00 am Development Of A Plant-Based Vaccine Against
Japanese Encephalitis (01-02-09-1002 EA001)
Prof Madya Dr Sim Soon Liang

11.00 - 11.30 am Molecular Evolution Of Malaria Parasites
(06-02-09-1010 EA001)
Prof Madya Dr Janet Cox Singh

11.30 - 12.00 pm Analysis Of *p63* Gene And Gene Expression Profile
Assay Of Prostate Adenocarcinoma
(09-02-09-1012 EA001)
Dr Edmund Sim Ui Hang

12.00 - 12.30 pm The Role Of The Apoptotic Process In
Leukemogenesis
(09-02-09-1017 EA001)
Dr Sim Sai Peng

12.30 - 2.00 pm Makan Tengahari (Dewan Santapan)

2. Kejuruteraan, Pembuatan Dan Alam Sekitar

Tempat: Bilik Seminar 22

Pengerusi : Prof Madya Dr Sinin Hamdan
Ahli : Prof Muhamad Yahaya
: Prof Madya Dr Zaini Assim

10.30 - 11.00 am Recovery of L (+)-Lactic Acid From Sago Starch:
Effects of Filtration Volume Using Powdered Activated
Charcoal
(09-02-09-1024 EA001)
Prof Madya Dr Kopli Bujang

11.00 - 11.30 am A Separator For Removal Of Physically Emulsified And
Free Oils From Wastewater: Part I Development
(08-02-09-2004 EA001)
Dr Law Puong Ling

11.30 - 12.00 pm Development Of Novel Nanoparticulate Thin-Film
Materials For The Fabrication Of High Energy And
Power Density Supercapacitor And Related Charge-
Storage Devices. (03-02-09-1019 EA001)
Dr Pang Suh Cem

12.00 - 12.30 pm Makan Tengahari (Dewan Santapan)

3. Bioproses Alam Sekitar Dan Pemuliharaan

Tempat: Teater Multimedia CALM

Pengerusi : Prof Madya Dr Lau Seng
Ahli : Prof Zaidi Mohd Isa
: Dr Christopher Teh Boon Sung
: Prof Arbakariya Ariff

2.00 - 2.30 pm Degradation Of Sago Effluent By Aerobic Methods
(08-02-09-1023 EA001)
Prof Madya Dr Kopli Bujang

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94300 Kota Samarahan

- 2.30 - 3.00 pm Evaluation Of The Biodiversity Of The Kelabit Highlands,
Sarawak (08-02-09-1007 EA001)
Prof Madya Dr Fatimah Abang
- 3.00 - 3.30 pm Die-Off Rates Of *Escherichia coli* In A Silt Loam Soil
(08-02-09-1013 EA001)
Dr Ling Teck Yee
- 3.30 - 4.00 pm Minum Petang (Bilik Seminar 21)

5 April 2005

- 8.30 – 9.00 am Pendaftaran (Bilik Seminar 14, 15 & 16)

TREK 1: Bilik Seminar 14

Sesi 1A

Pengerusi: Prof Madya Dr Sepiah Muid

- 8.45 - 9.15 am Notes On Bats Diversity And Molecular Genetics Of
Megachiroptera From Sabah 232/00(23)
Prof Madya Dr Mohd Tajuddin Abdullah
- 9.15 – 9.45 am Molecular Phylogeny Of Microchiropteran Bats (Genus
Hipposideros And *Myotis*) Of Sabah And Sarawak 218/00(9)
Dr Edmund Sim Ui Hang
- 9.45 - 10.15 am Phylogenetic Relationship Between Three Freshwater Fishes
Of The Subtribe *Tores* (Cyprinidae) In Malaysia 245/01(4)
Encik Yuzine Bin Esa
- 10.15 - 10.45 am Minum Pagi (Bilik Seminar 13)

Sesi 2A

Pengerusi: Prof Madya Dr Fatimah Abang

- 10.45 - 11.15 am Phylogenetic Relationship Of Spiderhunters (Family: Nectariniidae) In Southeast Asia 230/00(21)
Dr Mustafa Abdul Rahman
- 11.15 - 11.45 am Establishing Protocols For Phylogenetic Research On Megachiroptera 217/00(8)
Prof Madya Dr Mohd Tajuddin Abdullah
- 11.45 - 12.15 am Establishing DNA Protocols For Phylogenetic And Species Identification Of Bornean Butterflies (Lepidoptera: Pieridae) 224/00(15)
En Yuzine Bin Esa
- 12.15 - 12.45 pm Small Mammals And Birds Of Pueh, Sarawak 256/01(15)
Prof Madya Dr Andrew Alek Tuen
- 12.45 - 2.00 pm Makan Tengahari (Dewan Santapan)

Sesi 3A

Pengerusi: Prof Henry Rantai Gudum

- 2.00 - 2.30 pm Speciation Across Ecotone Of The White-Crowned Forktail (*Enicurus leschenaulti*) In Lowlands And Mountains Of Borneo 248/01(7)
Dr Mustafa Abdul Rahman
- 2.30 - 3.00 pm Determination Of The Association Between Mutant Alleles On The *Plasmodium falciparum* *pfprt* Gene And Resistance To Chloroquine For Malaysian *P. falciparum* Isolates. 233/00(24)
Prof Madya Dr Janet Cox Singh
- 3.00 - 3.30 pm Molecular Detection And Genetic Analysis Of Malaria Parasites In The Kapit Division Of Sarawak 229/00(20)
Prof Balbir Singh
- 3.30 - 4.00 pm Minum Petang Dan Bersurai (Bilik Seminar 13)

TREK 2: Bilik Seminar 15

Sesi 1B**Pengerusi: Dr Mohd Hasnain Md Hussain**

- 8.45 - 9.15 am DNA Diversity Among *Escherichia coli* Isolates From Beef Detected By Using Pulsed Field Gel Electrophoresis 243/01(2)
Prof Madya Dr Kasing Apun
- 9.15 - 9.45 am Adsorption of *Escherichia coli* In Different Soils 249/01(8)
Dr Ling Teck Yee
- 9.45 - 10.15 am Sustainability of Shrimp Farming in Sarawak: A Case Study of Asajaya, Samarahan Division, Sarawak 247/01(6)
Dr Lee Nyanti
- 10.15 - 10.45 am MinumPagi (Bilik Seminar 13)

Sesi 2B**Pengerusi: Prof Madya Dr Kasing Apun**

- 10.45 - 11.15 am Chemical Composition And Antimicrobial Activities Of The Essential Oils Of *Goniotalamus stenophyllus* 46/01(5)
Prof Madya Dr Fasihuddin Badruddin
- 11.15 - 11.45 am Isolation And Characterization Of Starch Synthase Gene From Sago Palm 234/00(25)
Prof Mohd Azib Salleh
- 11.45 - 12.15 am Characterization Of An Endoglucanase Gene From A *Bacillus Amyloliquefaciens* Strain Isolated From Sago Pith Waste 235/00(26)
Prof Mohd Azib Salleh
- 12.15 - 12.45 pm The Role Of Extractives In Decay Resistance Of Belian (*Eusideroxylon zwageri*) And Malagangai (*Potoxylon melagangai*) 254/01(13)
Dr Ismail Jusoh
- 12.45 - 2.00 pm Makan Tengahari (Dewan Santapan)

Sesi 3B**Pengerusi: Dr Zainab Ngaini**

- 2.00 - 2.30 pm Synthesis, Characterization And Redox Equilibria Of
Aqueous-Based Magnetic Colloidal Suspensions 252/01(11)
Dr Pang Suh Cem
- 2.30 - 3.00 pm Trace Arsenic (III) Determination By Square Wave Cathodic
Voltammetry 253/01(12)
Prof Madya Dr Lau Seng
- 3.00 - 3.30 pm Employees Understanding On The Concept Of Proficiency
Level Of Evaluation In Unimas. A Preliminary Finding
03/47/470/04(207)
Dr Rusli Ahmad
- 3.30 - 4.00 pm Minum Petang Dan Bersurai (Bilik Seminar 13)

TREK 3: Bilik Seminar 16

Sesi 1C**Pengerusi: Pn Gill Rajah**

- 8.45 - 9.15 am Knowledge Retrieval Through E-Learning
- A Case Study Of TITAS Courseware
225/00(16)
Dr Rosziati Ibrahim
- 9.15 - 9.45 am Preliminary Findings On Factors Influencing The
Participation Of Families In The Care of Sarawak Children
On "Place of Safety" Orders Under The Child Protection Act,
1991. (Kuching, Sarawak) 215/00(16)
Puan Faizah Mas'ud
- 9.45 - 10.15 am Sleep Disorders In The Community: A Behaviour Perspective
220/00(11)
Prof Syed Hassan Syed Ahmad
- 10.15 - 10.45 am Minum Pagi (Bilik Seminar 13)

Sesi 2C**Pengerusi: Dr Ling How Kee**

- 10.45 - 11.15 am Pesalah Juvana: Keperluan dan Realiti
(Work With Young Offenders: Needs And Realities) 16/00(7)
Puan Kamsiah Ali
- 11.15 - 11.45 am Kajian Pengesanan Graduan Unimas 237/00(28)
Cik Zaiton Hassan
- 11.45 - 12.15 am Malaysian Consumers' Evaluation Of Fictitious Brand
Extensions 210/00(1)
Dr Ernest Cyril de Run
- 12.15 - 12.45 pm Environmental Social Learning Process In Malaysia:
Lessons From Japan's Experience 262/01 (21)
Dr. Fumitaka Furuoka
- 12.45 - 2.00 pm Makan Tengahari (Dewan Santapan)

Sesi 3C**Pengerusi: Prof Madya Dr Wang Yin Chai**

- 2.00 - 2.30 pm Predicting And Modeling The Relationship Between El Nino
Southern Oscillation-Driven Prolong High Maximum Surface
Air Temperature And Low Rainfall With Cholera Outbreaks
In Sarawak 261/01(20)
Encik Dominic Dado Sagin
- 2.30 - 3.00 pm The Application Of Geographical Information System
Technology To The Study Of *Aedes Albopictus* (Skuse)
Breeding Sites And Its Implication To Dengue Transmission
(In Lundu District, Sarawak) 28/00(19)
Puan Cheah Whye Lian
- 3.00 - 3.30 pm Mapping of Seagrass Habitats Using SPOT-4 Data 255/01(14)
Dr Norhadi Ismail
- 3.30 - 4.00 pm Minum Petang Dan Bersurai (Bilik Seminar 13)